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DETAILED ACTION

1. This action is responsive to the Applicant's response filed 2/4/09.

As indicated in Applicant's response, claims 1, 5-6, 13, 15-17, 21-25 are pending in the office action.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Aly Z Dossa, Reg. # 63372 on 03/25-3/27/09.

The application has been amended as follows.

In the **CLAIMS**:

The claims have been amended according to the herein attached Amendment, namely, "Proposed Claim Amendments for Examiner's Amendment", provided as file "Proposd_32709.pdf"

EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

3. Claims 1, 6, 13, 15-17, 22, 24-25 are allowed.

The following is an examiner's statement of reasons for allowance.

The prior art taken separately or jointly does not suggest or teach the features and cooperative aspects of the actions using the features (now as recited in claims 1, 13) as discussed in the *Interview Summary* submitted with this notice of Allowance.

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The prior art, Murayam, does not teach (nor render obvious in view of Berry) the binary linkage of instrumentation application, with the initialization object file, the helper object file, and the helper structure storing at least one associated action helper, as well as registration of an action helper with a associated hook instrumented in the kernel level code (e.g. registering helper action with a hook installed in the target kernel layer that communicates with the debugging layer), such that, the helper structure and the registered state of the stored helper actions support the instrumentation application while it is running, to associate an encountered kernel-inserted probe with the proper registered helper action, thereby enabling invoking the proper tracing action performed by the corresponding helper object code implementing this helper action.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A Vu whose telephone number is (571) 272-3735. The examiner can normally be reached on 8AM-4:30PM/Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis Bullock can be reached on (571)272-3759.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3735 (for non-official correspondence - please consult Examiner before

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using) or 571-273-8300 (for official correspondence) or redirected to customer service at 571-272-3609.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Tuan A Vu/

Primary Examiner, Art Unit 2193

March 28, 2009